



International application No.

		·	PC1/SE 2003	3/001831					
A. CLASS	SIFICATION OF SUBJECT MATTER			•					
IPC7: G09B 23/28 According to International Patent Classification (IPC) or to both national classification and IPC									
B. FIELDS SEARCHED									
Minimum documentation searched (classification system followed by classification symbols)									
	IPC7: A61B, G09B								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched									
SE,DK,FI,NO classes as above									
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) .									
EPO-INTERNAL, WPI DATA									
C. DOCUMENTS CONSIDERED TO BE RELEVANT									
Category*	Citation of document, with indication, where app	propriate, of the rele	vant passages	Relevant to claim No.					
X	WO 9939317 A1 (HT MEDICAL SYSTEM 5 August 1999 (05.08.1999), line 1 - line 17; page 29,	1,2,3,16,23							
	line 6, figures 15-17								
Α				24					
	 .								
A	EP 0970714 A2 (MITSUBISHI DENKI 	1,2,3,16,23,							
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	, than any time year than sain sain	•							
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Further documents are listed in the continuation of Box C. X See patent family annex.									
* Special categories of cited documents: "T" later document published after the international filing date or priority									
"A" document defining the general state of the art which is not considered to be of particular relevance "B" earlier application or patent but published on or after the international "X" document of particular relevance: the claimed invention cannot be									
filing de	ate nt which may throw doubts on priority claim(s) or which is	considered novel or cannot be considered to involve an inventive step when the document is taken alone							
special:	establish the publication date of another citation or other reason (as specified) nt referring to an oral disclosure, use, exhibition or other	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination							
"P" document published prior to the international filing date but later than the priority date claimed to the international filing date but later than document member of the same patent family									
Date of the	actual completion of the international search	Date of mailing of	Date of mailing of the international search report						
8 April	2004		1 5 -04-	2004					
Name and mailing address of the ISA/ Authorized officer									
	Patent Office S-102 42 STOCKHOLM	Anders Edlund /LR							
	No. +46 8 666 02 86	Telephone No. +46 8 782 25 00							

Form PCT/ISA/210 (second sheet) (January 2004)





INTERNATIONAL SEARCH REPORT Information on patent family members

27/02/2004

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_ W0 9939317	A1	05/08/1999	AU	2242099-	A	16/08/1999 <u>-</u>
			EP	1103041	A ·	30/05/2001
			GB	0021185	D	00/00/0000
	٠.		GB	0302744	D	00/00/0000
			GB	2349730	A,B	08/11/2000
			GB	2384613	A,B	30/07/2003
			JP	2003525639	T	02/09/2003
			US	2001016804	Α	23/08/2001
			บร	2001026551	Α	04/10/2001
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•			EP	1123172	Α	16/08/2001
			EP ·	1369194	Α	10/12/2003
			US	6053675	Α	25/04/2000
•			WO	0000314	Α	06/01/2000
EP 0970714	A2	12/01/2000	JP	2000042117	Α	15/02/2000
			ŪS	6375471	В	23/04/2002





INTERNATIONAL SEARCH REPORT

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PCT/SE 2003/001891

Box No. II Observations where certain claims were found unsearchable (Continuat	tion of item 2 of first sheet)								
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:									
Claims Nos.: because they relate to subject matter not required to be searched by this Authority.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:								
2 China Nasa									
Claims Nos.: because they relate to parts of the international application that do not comply we extent that no meaningful international search can be carried out, specifically.	rith the prescribed requirements to such an								
Claims Nos.; because they are dependent claims and are not drafted in accordance with the se									
Box No. III Observations where unity of invention is lacking (Continuation of item	3 of first sheet)								
This International Searching Authority found multiple inventions in this international appl	lication, as follows:								
see extra sheet									
As all required additional search fees were timely paid by the applicant, this into claims.	ernational search report covers all searchable								
 As all searchable claims could be searched without effort justifying an additional any additional fee. 	al fee, this Authority did not invite payment of								
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:									
4. No required additional search fees were timely paid by the applicant. Consequer restricted to the invention first mentioned in the claims; it is covered by claims in the claims in the claims.	ntly, this international search report is Nos.: 1,2,3,16,23,24								
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.									

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The present application has been considered to contain 9 inventions which are not linked such that they form a single general inventive concept, as required by Rule 13 PCT for the following reasons:

Claims 1 and 23:

The closest prior art has been identified as:

D1: WO 9939317 A1

Document D1 discloses a device for a simulation system for simulating medical procedures (i.e. interventional operations). In D1 it is possible to insert nested mock or actual instrument into the device and simulate movements and rotation for every instrument, (see page 11 line 1- 17). From D1, see page 29 line 7 - page 37 line 6 and figures 15-17, it known that the device contains movable carriages corresponding to the number of mock or actual instruments, that the carriages can move on tracks, one or several interconnecting members which interconnects the carriages serially, every carriage has an opening for enabling reception instrument, each carriage comprising members for receiving and locking one instrument, and members for receiving_a_movement_from_said_instrument_with_respect—to-asimulation characteristic.

The invention according to the independent claims 1 and 23 lacks novelty since all the technical features described in these claims are known from D1.

Claims 2-22:

The following separate inventions were identified for the dependent claims1-22:

INV1: Claims 2, 3, 16 relates to the interconnecting member.

INV2: Claims 4, 12-14, 15 are directed to a detecting arrangement for detecting the type of instrument.

INV3: Claims 5, 7, 17, 18 are directed to a control unit and a processing unit for measuring and controlling the instruments position and movement.

INV4: Claims 6, 8 relates to transmission and tracks for the carriages.

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INV5:---Claims 9-11,-20-22-are--directed to mechanical details on the carriages.

INV6: Claim 19 relates to a simulated end part on the real instrument.

A search for a special technical feature among claims 2-22 of the present application did not reveal a unifying, novel technical feature that define a contribution over the prior art. Consequently it appears that, a posteriori, claims 2-22 includes 6 different inventions, and INV2-INV6 do not satisfy the requirements of unity of invention and will therefore not be taken under consideration in this report.

The further investigation will therefore be based on INV1 (claims 2,3,16).

From D1 it is known that the opening is provided with an interconnecting member, that the interconnecting member could be telescopic, and that each carriage is connected to an interconnecting member.

The invention according to the independent claims 2, 3 and 16 lacks novelty since all the technical features described in these claims are known from D1.

Claims 24-34:

Claims 24-34 are treated as belonging to claim 2. The following separate inventions were identified for the dependent claims 24-34:

INV7: Claim 24 relates to a control system comprising a first and a second controller for controlling the speed of a first and a second displaceable member.

INV8: Claims 25-27 are directed to identification means for detecting and identifying an instrument.

INV9: Claims 28-34 relates to an arrangement for measuring, generating and controlling forces and resistances to or from a simulated instrument.

A search for a special technical feature among claims 24-34 of the present application did not reveal a unifying, novel technical feature that define a contribution over the prior art. Consequently it appears that, a posteriori, that claims 24-34 includes 3 different inventions, and INV8-INV9 do not



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satisfy the requirements of unity of invention and will therefore not be taken under consideration in this report.

A partial search has been carried out, which relates to INV1 and INV7 (including claims 1, 2, 3, 16, 23 and 24) mentioned above.

The applicant is invited to pay additional fees for INV2-INV6 and INV8-INV9.

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